

YAMAHA

MS10

OWNER'S MANUAL

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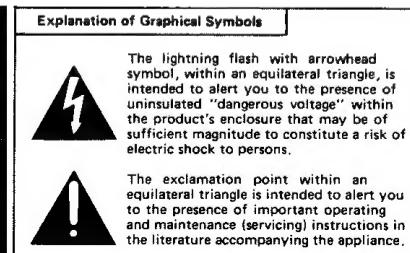
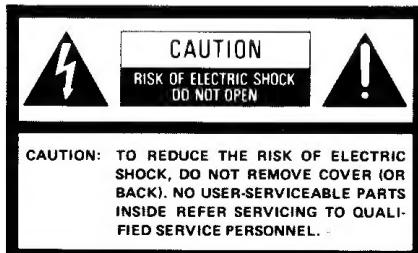
CAUTIONS

- Be sure to turn down all volume controls when making input/output connections.
- Do not expose the MS10 to direct sunlight or other sources of heat such as radiators, etc.
- Irreparable damage may result from opening the MS10 cabinet or attempting to alter the internal circuitry. If there is a problem, contact your nearest Yamaha dealer.
- Avoid dropping your MS10 or subjecting it to any type of shock, as impaired performance may result.
- Do not attempt to clean the MS10 with benzine or other solvents, as these may cause discoloration or deformation of the cabinet. Clean the unit with a soft, dry cloth.
- Do not use this unit in the location near a window where the unit may be exposed to direct sunlight or other extremely hot locations, as this may impair the sound quality or result in failure or breakdown.
- In order to prevent cord breakage and shortcircuits, take hold of the plug, not the actual cord, when disconnecting it from the power outlet.

If the unit is not to be used for prolonged periods of time, disconnect the plug from the power outlet.

RUBBER PADS (accessory)

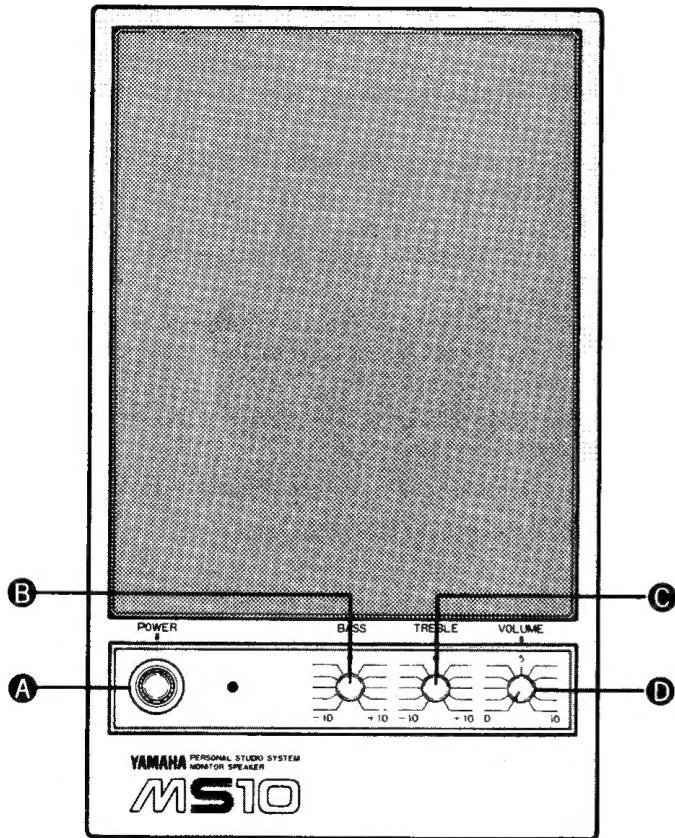
A set of rubber pads (8 pcs) is provided as an accessory to help keep MS10 stable. Attach them to the cabinet.



CAUTION (PREPARED IN ACCORDANCE WITH UL STANDARD 1270)

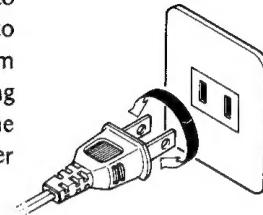
1. Read Instructions — All the safety and operating instructions should be read before the appliance is operated.
2. Retain Instructions — The safety and operating instructions should be retained for future reference.
3. Heed Warnings — All warnings on the appliance and in the operating instructions should be adhered to.
4. Follow Instructions — All operating and use instructions should be followed.
5. Water and Moisture — The appliance should not be used near water — for example, near a bathtub, washbowl, kitchen sink, laundry tub, in a wet basement, or near a swimming pool, etc.
6. Carts and Stands — The appliance should be used only with a cart or stand that is recommended by the manufacturer.
7. Wall or Ceiling Mounting — The appliance should be mounted to a wall or ceiling only as recommended by the manufacturer.
8. Ventilation — The appliance should be situated so that its location or position does not interfere with its proper ventilation. For example, the appliance should not be situated on a bed, sofa, rug, or similar surface that may block the ventilation openings; or, placed in a built-in installation, such as a bookcase or cabinet that may impede the flow of air through the ventilation openings.
9. Heat — The appliance should be situated away from heat sources such as radiators, heat registers, stoves, or other appliances (including amplifiers) that produce heat.
10. Power Sources — The appliance should be connected to a power supply only of the type described in the operating instructions or as marked on the appliance.
11. Power-Cord Protection — Power-supply cords should be routed so that they are not likely to be walked on or pinched by items placed upon or against them, paying particular attention to cords at plugs, convenience receptacles, and the point where they exit from the appliance.
12. Cleaning — The appliance should be cleaned only as recommended by the manufacturer.
13. Nonuse Periods — The power cord of the appliance should be unplugged from the outlet when left unused for a long period of time.
14. Object and Liquid Entry — Care should be taken so that objects do not fall and liquids are not spilled into the enclosure through openings.
15. Damage Requiring Service — The appliance should be serviced by qualified service personnel when:
 - A. The power-supply cord or the plug has been damaged; or
 - B. Objects have fallen, or liquid has been spilled into the appliance; or
 - C. The appliance has been exposed to rain; or
 - D. The appliance does not appear to operate normally or exhibits a marked change in performance; or
 - E. The appliance has been dropped, or the enclosure damaged.
16. Servicing — The user should not attempt to service the appliance beyond that described in the operating instructions. All other servicing should be referred to qualified service personnel.

FRONT PANEL



A POWER

Turning the power switch on applies power to the MS10 causing the power indicator LED to light. If there is excessive hum and noise from the MS10 once power is applied, try reversing the power plug in the AC socket. Make sure the **POWER** switch is off when reversing the power plug.



B BASS

This control boosts or cuts the bass frequency range. Rotate clockwise for a heavy, deep sound, and counterclockwise for a tight, crisp sound.

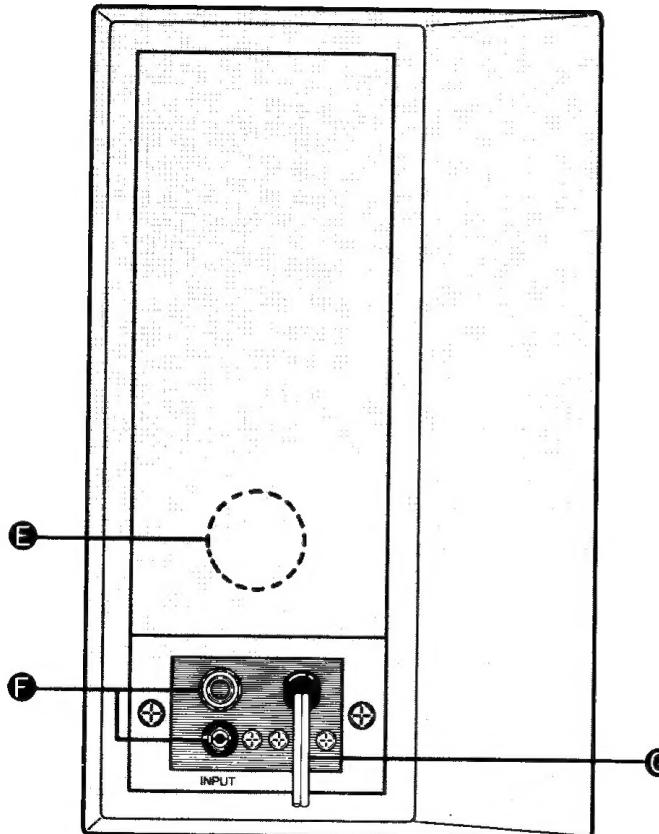
C TREBLE

The **TREBLE** control boosts or cuts the treble frequency range. Rotate clockwise for a bright, metallic sound, and counterclockwise for a mild, mellow tone.

D VOLUME

Adjusts the overall volume level of the output sound.

REAR PANEL



E VOLTAGE SELECTOR (General model only)

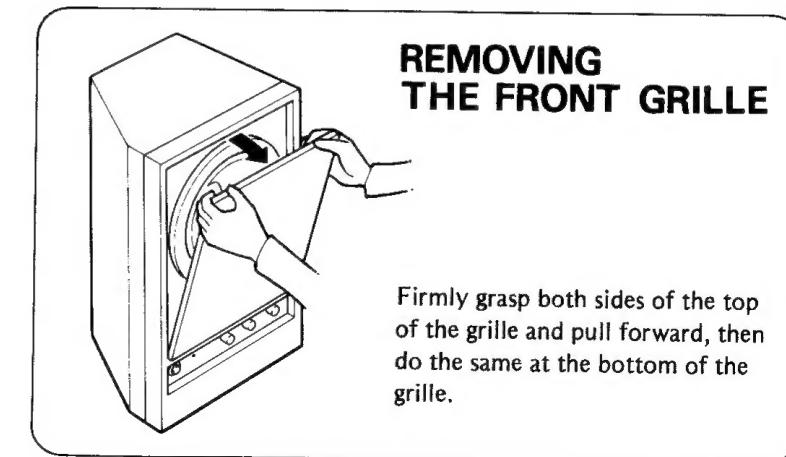
Set this to your local AC mains voltage. Failure to do so will result in seriously impaired performance or even severe damage.

F INPUT

These jacks will accept input either from the program output (PGM OUT) or foldback line (FB OUT) of a mixer, or directly from an electric guitar or keyboard. Both a regular 1/4" phone jack and RCA pin jack are provided.

G POWER CORD

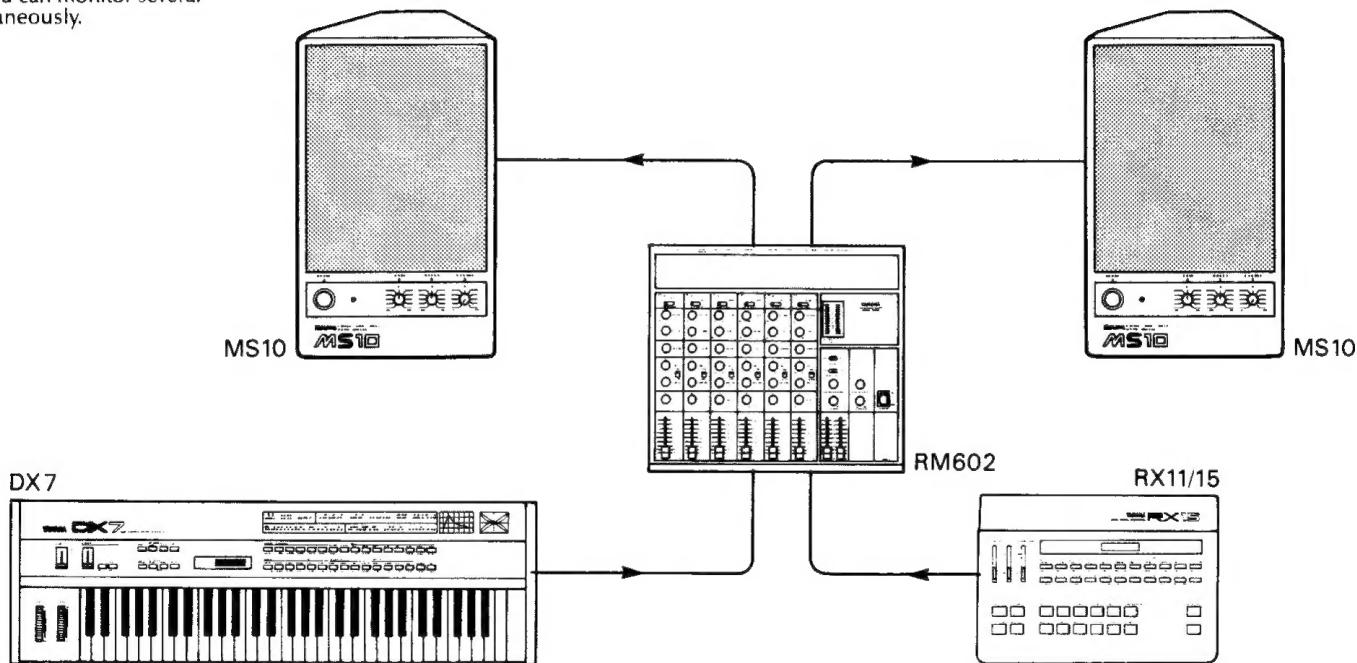
Connect to an AC outlet.



APPLICATION

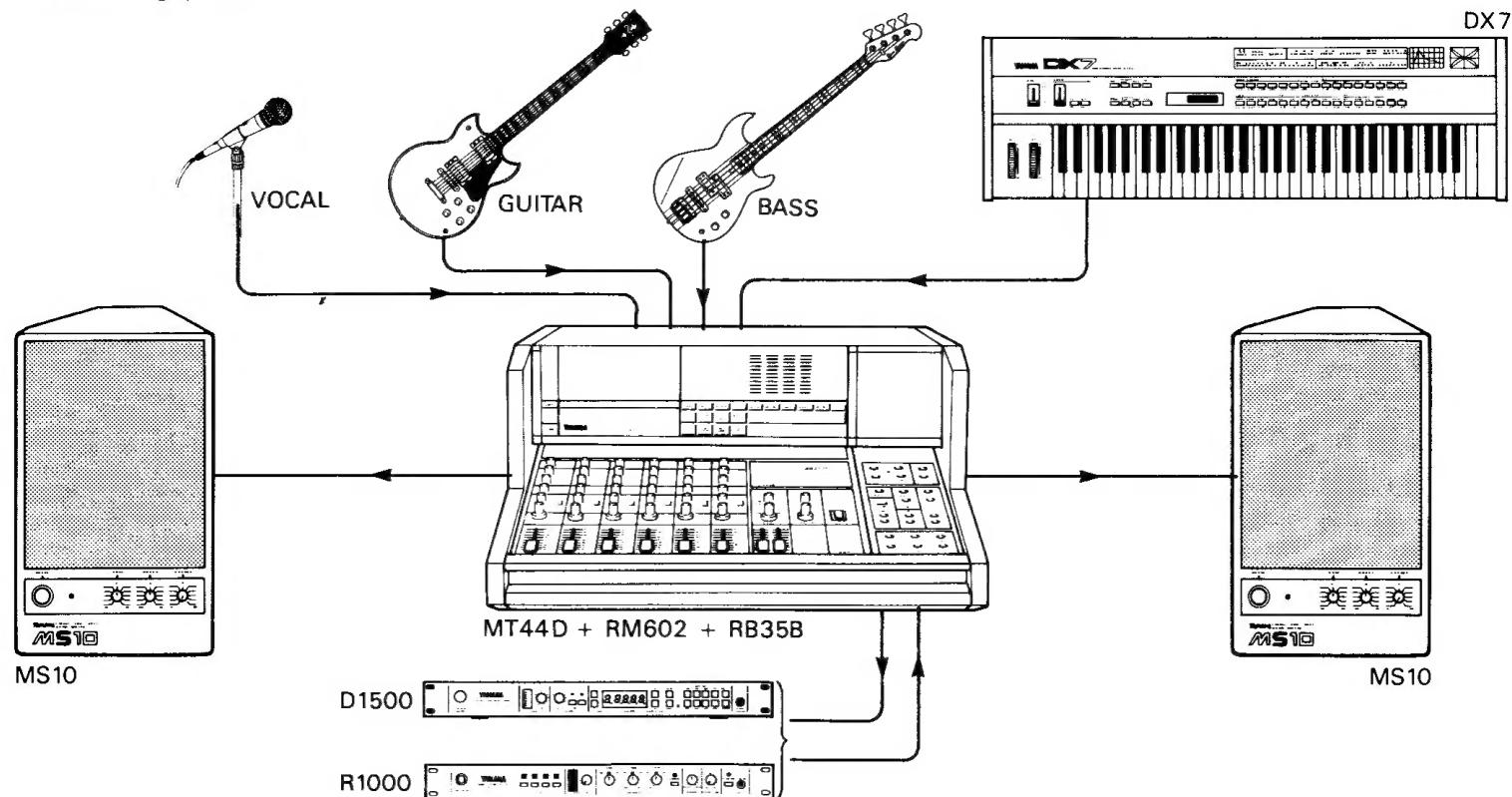
1. MONITOR SYSTEM

A pair of MS10 connected to the STEREO OUT of a mixer like the RM602 mean you can monitor several sources simultaneously.

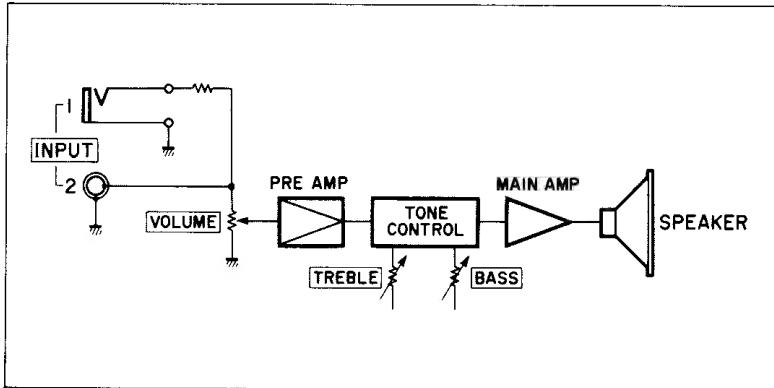


2. AS A MONITOR FOR RECORDING

A couple of MS10's make great monitors for a multitrack recording system.



BLOCK DIAGRAM



SPECIFICATIONS

POWER OUTPUT	20W into 8Ω
FREQUENCY RESPONSE	+0, -3dB 50Hz ~ 20kHz
TOTAL HARMONIC DISTORTION	Less than 0.5% at 20W, 8Ω, 1kHz
INPUT SENSITIVITY	-20dB
INPUT IMPEDANCE	15kΩ
HUM AND NOISE*	Less than -60dB (Vol. at max.) Less than -68dB (Vol. at min.)
TONE CONTROL	Treble ±12dB at 10kHz Bass ±12dB at 100Hz
CONTROLS	Volume, Treble, Bass, "Power ON-OFF" switch
CONNECTORS	One pin jack and one phono jack
INDICATOR	"Power-ON" LED indicator
SPEAKER	JA1212 (12cm full range 5")
POWER REQUIREMENT	AC120V (U.S. & Canadian models), 60Hz AC110/130/220/240V (General model), 50/60Hz
DIMENSIONS (WxHxD)	6-7/9" x 6-2/3" x 11" (17.2 x 17 x 28cm)
WEIGHT	8.3 lbs. (3.8 kg)

* Hum and Noise are measured with a 6dB/octave filter at 12.47kHz.

** 0dB is referenced to 0.775V.

Specifications subject to change without notice.

SERVICE

The MS10 are supported by Yamaha's worldwide network of factory trained and qualified dealer service personnel. In the event of a problem, contact your nearest Yamaha dealer.

SINCE 1887  **YAMAHA**
NIPPON GAKKI CO., LTD. HAMAMATSU, JAPAN